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L1: (2) ("0726298").PN.
L2: (0) ("ep726298").PN.
L3: (423647) filler
L4: (123533) crushed
L5: (3588) 13 same 14
L6: (49690) polyurethane adj foam
L7: (101) 15 and 16

EAST

(6) If inorganic fillers are used for the manufacture of polyurethanes, these are normally incorporated in the polyols immediately prior to processing. It has also been attempted to disperse inorganic materials in polyethers. In most cases, such dispersions have very high viscosities which make processing considerably more difficult or even impossible. Another advantage is that the inorganic fillers, due to their higher specific weight, will sediment more quickly than organic polymers.

(7) The purpose of this invention was the manufacture of storage-stable, non-sedimenting dispersions of fillers in polyols which, with a solids content of 10 percent by weight based on the total weight, have a viscosity of less than 2500 centipoises at 25.degree. C. and with solids contents of 20 percent by weight, have viscosities of less than 5000 centipoises at 25.degree. C.

(8) It was found that storage-stable dispersions with the desired properties are obtained if the filler materials are crushed in situ in the polyols.

(9) The object of this invention is therefore a process for the manufacture of stable filler polyol dispersions wherein the fillers are crushed with high localized energy densities to a particle size of less than 7 microns in situ in the polyols with the result that the filler particles are comminuted and thus simultaneously dispersed to form a stable dispersion.

U	I	Document ID	Issue Dat	Pages	Title	Current OR	Current KR	Retrieval	Inventor	S	C	P
82	F	US 4329437	19820511	13	Process for the production of broken do	521/100	521/110;		Blount; David H.			
83	F	US 4321184	19820323	16	Process for the production of organic a	524/3	524/423;		Blount; David H.			
84	F	US 4314916	19820209	14	Process for the production of broken do	524/650	521/110;		Blount; David H.			
85	F	US 4313857	19820202	14	Broken-down organic lignin-cellulose silica	527/300	521/110;		Blount; David H.			
86	F	US 4307203	19811222	10	Process for the production of polyureth	521/136	521/137;		Blount; David H.			
87	C	US 4304708	19811208	7	Process for the manufacture of stable r	252/182.27	252/182.24		Marx; Matthias et al.			
88	F	US 4303768	19811201	13	Process for the Production of alkali me	525/479	521/100;		Blount; David H.			
89	F	US 4292214	19810929	18	Process for the production of polyureth	523/400	521/137;		Blount; David H.			
90	F	US 4283311	19810811	15	Process for the production of broken do	524/733	521/100;		Blount; David H.			
91	F	US 4281197	19810728	5	Hydrolytic decomposition method	564/393	521/125;		Oblinger; Fred G.			
92	F	US 4281110	19810728	14	Process for the production of broken do	536/84	521/63;		Blount; David H.			

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